

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

<b>PERMITTEE NAME:</b>	Dr. Matteo Garbelotto	<b>PERMIT NUMBER:</b>	P526P-18-00580
<b>ORGANIZATION:</b>	University of California, Berkeley	<b>APPLICATION NUMBER:</b>	P526-180104-001
<b>ADDRESS:</b>	54 Mulford Hall University of California Berkeley, CA 94720	<b>FACILITY NUMBER:</b>	430
<b>MAILING ADDRESS:</b>	54 Mulford Hall University of California Berkeley, CA 94720	<b>HAND CARRY:</b>	Yes
<b>PHONE:</b>	510-643-4282	<b>DATE ISSUED:</b>	02/15/2018
<b>FAX:</b>		<b>EXPIRES:</b>	<b>02/15/2021</b>
<b>DESTINATION:</b>	54 Mulford Hall, University of California, Berkeley, CA 94720		
<b>RELEASE:</b>	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Phytophthora ramorum	Any	Research - Lab	AK, AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from USA including territories	

**PERMIT GUIDANCE**

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, and/or environmental release of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_anproducts.sh](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.sh) tml.

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THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

*Vickie Brewster*  
**Vickie Brewster**

DATE

**02/15/2018**

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your States Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

You must abide by all local quarantines see: [http://www.aphis.usda.gov/planthealth/pests\\_and\\_diseases](http://www.aphis.usda.gov/planthealth/pests_and_diseases)

Of special concern for movement of soil from certain continental areas are:

FRUIT FLIES: 7 CFR 301.32

WITCHWEED: 7 CFR 301.80

IMPORTED FIRE ANTS: 7 CFR 301.81

GOLDEN NEMATODES: 7 CFR 301.85

POTATO/PALE CYST NEMATODE: 7 CFR 301.86

PHYTOPHTHORA RAMORUM (Sudden Oak Death): 7 CFR 301.92

CFR (Code of Federal Regulations): <http://www.ecfr.gov/cgi-bin/ECFR?page=browse>

### PERMIT CONDITIONS

This permit authorizes the interstate movement of pure cultures of the listed organisms or host material, including but not limited to plants, plant parts, growing media, soil, and water, infected with the listed organisms from various researchers within the United States and its territories to Matteo Garbelotto at the University of California - Berkeley in Berkeley, California for laboratory research in Containment Facility #430 (CF#430).

This permit authorizes the continued curation and laboratory research use of the listed organisms, received under prior permit, by Matteo Garbelotto at the University of California - Berkeley in Berkeley, California in CF#430.

1. The permit holder must:
  - (a) comply with all requirements and permit conditions,
  - (b) maintain a valid permit so long as the regulated organisms are alive,
  - (c) this permit cannot be assigned or transferred to other persons.
  - (d) permittee must maintain a residence in the United States
  - (e) safeguard and dispose of the regulated organisms during the term of this permit,
  - (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
  - (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated

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organisms,

- (h) contain any/all organisms not authorized under this permit,
- (i) notify the permit unit of the receipt of unauthorized organisms,
- (j) notify the permit unit if facilities are destroyed or decommissioned for any reason,
- (k) maintain an official permanent work assignment at the address on this permit,
- (l) notify the permit unit in advance of any change in the permit holder's work assignment,
- (m) destroy all regulated organisms prior to departure unless other arrangements are confirmed by the permit unit prior to the permit holder's departure, and
- (n) notify the permit unit of the destruction of regulated organisms.

Notifications to the permit unit must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

2. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
3. All organisms must be shipped in packages of such materials and/or construction so as to prevent the unauthorized dissemination or release of regulated articles.
4. Field-collected samples may consist of infected plant material as well as environmental samples such as soil and water.
5. Upon receipt, all packages must be opened within a biosafety cabinet, that meets or exceeds Class II, Type A, in the permit holder's assigned laboratory facilities within CF#430 to ensure the shipment contains only permitted organisms and is free of contaminants. Cultures must be in sealed containers during transport to or within the permit holder's assigned laboratory facilities.
6. All un-used and leftover organisms, and all packaging materials in contact with organisms and/or contaminants, must be sufficiently heat or chemically treated to kill all plant pests and contaminants prior to disposal.
7. All research activities must occur in the permit holder's laboratory facilities within CF#430 that have been inspected and found adequate for containment of the organisms received under this permit. Access to laboratory facilities must be restricted to authorized personnel.
8. All culture transfers must take place in a laminar flow biosafety cabinet that meets or exceeds Class II, Type A, in the permit holder's assigned laboratory facilities within CF#430
9. Plant inoculations are not authorized under this permit.
10. Organisms must be maintained or stored in the permit holder's laboratory facilities within CF#430. All stored organisms must be kept in a locked area with access restricted to authorized personnel.
11. All liquid waste must be autoclaved or treated with 30 percent bleach for 20 minutes before sink disposal.

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12. Upon completion of research, all organisms not retained for future use must be destroyed by heat or chemical treatment prior to disposal. All glassware and other materials used to conduct research must be decontaminated prior to reuse or disposal.
13. If using an autoclave:
  - a. Waste must be autoclaved at 121 degrees Centigrade (250 degrees Fahrenheit) for a minimum of 30 minutes
  - b. Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal
  - c. The autoclave must be professionally calibrated annually and a written record must be maintained
  - d. Every 3 months, you must use a commercially available biological indicator kit that uses bacterial spores (e.g. Geobacillus species) that are rendered unviable at 121 degrees C. You must follow the manufacturers instructions. If any growth is observed, you must have the autoclave serviced and retested
14. There is to be no further movement or distribution of organisms within the United States and its territories unless the recipient holds a valid permit for receipt of such organisms.
15. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/ APHIS but must be readily accessible in the event of an inspection and presented upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

16. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.
17. All pathogens and infected host material must be handled in such a way (e.g. wear adequate protective clothing, practice adequate hand and shoe sanitation, disinfect all work surfaces after use) so that movement of plant pests out of the facility does not occur.

### END OF PERMIT CONDITIONS

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